

Diagnosis and Treatment of Vascular Disease

ABSTRACT

The present invention is based at least in part on the discovery of a polymorphism
5 within the interleukin 1 receptor antagonist (IL1RN) gene. Accordingly, the invention
provides nucleic acid molecules having a nucleotide sequence of an allelic variant of an
IL1RN gene. The invention also provides methods for identifying specific alleles of
polymorphic regions of an IL1RN gene, methods for determining whether a subject has or is
at risk of developing a disease which is associated with a specific allele of a polymorphic
10 region of an IL1RN gene, e.g., a vascular disease, based on detection of a polymorphism
within the IL1RN gene, and kits for performing such methods. The invention further
provides methods for identifying a subject who has, or is at risk for developing, a vascular
disease or disorder as a candidate for a particular clinical course of therapy or a particular
diagnostic evaluation. The invention further provides methods for selecting a clinical course
15 of therapy or a diagnostic evaluation to treat a subject who is at risk for developing, a
vascular disease or disorder.

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